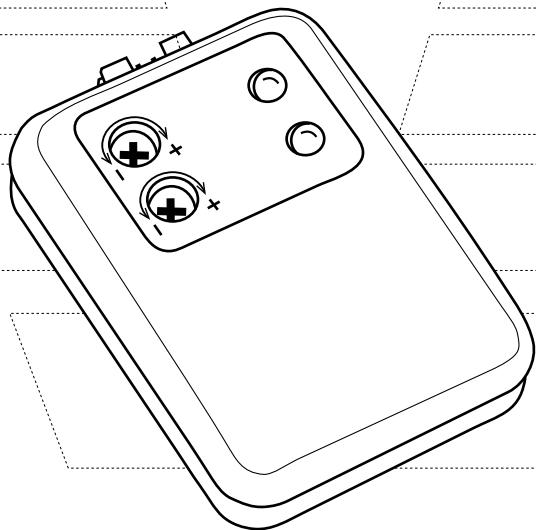


VISION

MMF-2

DUAL ZONE RADAR SENSOR



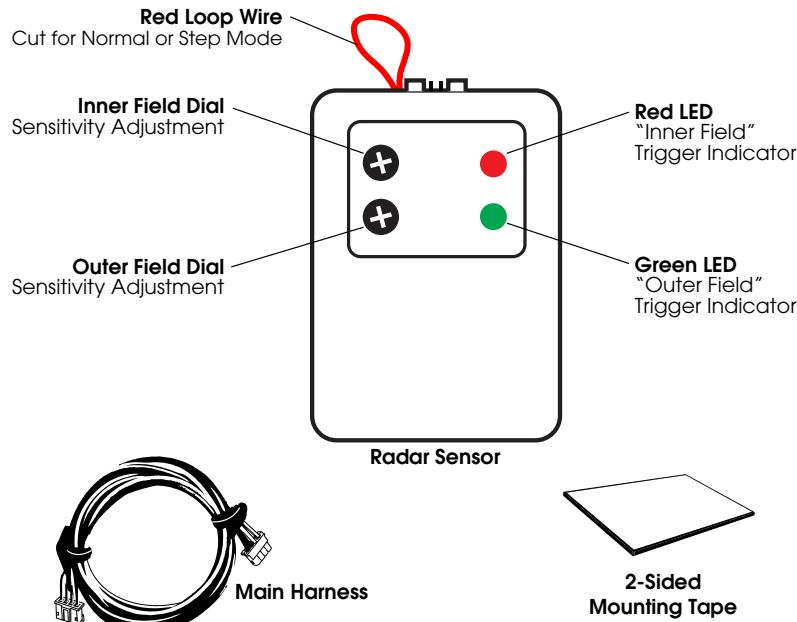
WIRING GUIDE



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DESCRIPTION OF PARTS



TECHNICAL SPECIFICATIONS

Operating Voltage:	12Vdc
Current Consumption:	7mA (avg.)
Alarm Trigger:	2-Stage
BLU "Inner Field" Trigger Wire:	(-) Ground pulse (0.9 sec.)
GRN "Outer Field" Trigger Wire:	(-) Ground pulse (0.3 sec.)

SELECTABLE MODES, RED LOOP WIRE

Normal Mode: Loop Wire uncut. After the Outer field triggers alarm Warning Chirps, the Inner field will only trigger the full 30s siren blast if tripped within 7 seconds.

Step Mode: Cut Loop Wire. Sensor now requires 2 triggers on the Outer field before the Inner field can trigger. The 7 sec. timer still applies. (Useful to limit false triggers.)

ADJUSTING SENSITIVITY

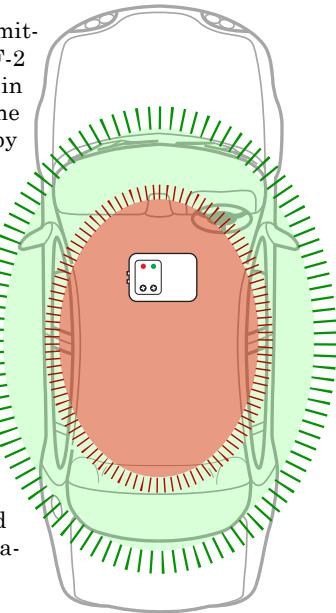
Both dials are turn off (fully counter-clockwise) at the factory. Turn each dial clockwise slightly and test. Increase the Outer Field first, then the Inner Field. If the sensor is false triggering or not triggering when it should, adjust the sensitivity further.

HOW IT WORKS

An “invisible field” of ultra low power microwaves are emitted from the Radar Sensor inside the vehicle. The MMF-2 generates two fields, an inner and outer, as shown in the diagram at right. Microwaves can extend outside the vehicle through the glass, but the waves are stopped by the metal body of the car.

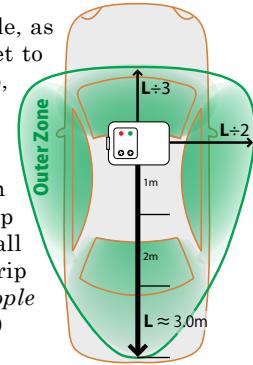
If the size of the inner and outer fields is set properly, someone attempting to make contact with the outside of the car will trigger a series of Warning Chirps (by entering outer field), and passing a hand through an open window or entering the vehicle (entering inner field) will trigger the full siren blast.

NOTE: Window films that contain metal particles may prevent the outer field from extending outside the vehicle. Mounting the sensor under or inside metal objects will cause dead spots in the field or eliminate the field altogether. Also, high-power transmitters and other high-frequency RF devices inside the car can negatively impact radar sensor performance.



INSTALLATION

- The best mounting location is toward the front of the vehicle, as shown at right. The green area shown is the Outer field set to maximum sensitivity. Mount with adjustment dials face-up, and with the sensor facing the same direction as shown at right. The sensor will not work right in any other position.
- The Outer field should be adjusted so anyone coming within a few inches (5cm) of the windows will trip the Warning Chirp response (Green LED will light). But set the outer field small enough so people parking or walking next to your car won't trip the Warning Chirps. (Even at the best Outer field setting, people walking too close will trip the Warning Chirps occasionally.)
- The Inner field should be adjusted so that it does not go outside the vehicle. If you adjust the sensor and find you can trigger the full siren blast even by movement outside the vehicle, reduce the Inner field.
- NEVER install on or under the dash or in a kick panel.
- If you sometimes wish to switch off the sensor, please purchase our **MTS-101** switch.
- If you are installing this sensor on one of our alarms, please purchase our **318-035**.



NOTICE! Although reasonable efforts have been taken to ensure accuracy in this Wiring Guide, Kiramek Inc. shall not be held liable for any errors, omissions, property damage, or injury resulting from the use of this information.

All product specifications and features are subject to change without notice.

www.kiramek.com

9-183-1 Itayama-cho, Handa-shi, Aichi-Ken 475-0936 JAPAN
TEL: +81-569-20-5585 • FAX: +81-569-20-5586 • EMAIL: sales@kiramek.com